

SWBAT: explain induction in conductors

Jan 4-7:20 AM

# Welcome!!!

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SECA Physics  
Wednesday 3 February 2016

- \* Pick up:
  - slip of paper (for later)



Opening question:

(WIRES,  
METAL

What's an electrical CONDUCTOR? Is water a good  
or bad conductor of electricity?

|

|  
Centering

Sep 7-7:04 AM

Ground Hog's Day

<http://www.youtube.com/watch?v=n8tBLlgBmoA>

Time Cop

[http://www.youtube.com/watch?v=268EIU\\_fUiY](http://www.youtube.com/watch?v=268EIU_fUiY)

Tap water is a GREAT conductor

Eureka 24 - Conduction 2:40-3:20

**Conductors** have free electrons (or ions) that allow charge to move around easily!

FOR EXAMPLE: METALS, TAP WATER

**Insulators** do not.

ELECTRONS STUCK WITH THE ATOM

Feb 5-7:29 AM

"Life is like a box of chocolates"

"There are plenty of fish in the sea."

The like / opposite "smell" analogy

ELECTRONS -

Guys: don't like how other guys smell and try to move away  
DO like how women smell and try to move closer

PROTONS +

Women: don't like how other women smell and try to move away  
DO like how guys smell and would move closer if they could but are stuck in their chairs

People are on little boats (?) surrounded by acid (?)

Smell goes as... CHARGE

OPPOSITES ATTRACT  
LIKE REPEL


GUYS GO ANYWHERE  
Conductor /  
Insulator  
STAY BY A CHAIR

Feb 3-7:07 AM

Any heart problems?

<http://www.youtube.com/watch?v=p2EwLIIV7uU>

## Building "Leyden Jars"

 <http://www.youtube.com/watch?v=KV85Os3jVo8>

A Leyden Jar is a way to **STORE CHARGE** temporarily.

## Catchy Physics Phrases

Feb 3-7:31 AM

## Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. Is tap water a good conductor?

YES

2. Which allows electrons to move easily?

- a. conductors
- b. insulators
- c. neither

3. What kind of electron transfer is it when you touch the pie tin?

CONTACT

Feb 1-7:52 AM